

Abstract

An object of the invention is to make it possible to maintain the communication quality good without reducing the transmission power of an antenna if a part of a human body comes in contact with or is brought close to the antenna. A transmitter 21 of a mobile communication terminal 1 is made up of a power amplifier 211 and a phase shifter 212 connected between an antenna 10 and the power amplifier 211. The impedance of the antenna 10 in a free space is previously matched to the output load impedance at the time of low output power of the power amplifier 211 and if the head, a finger, etc., touches the antenna 10 and the impedance increases, the phase shifter 212 changes the impedance of the antenna 10 to the output load impedance to increase the output power value of the power amplifier 211.